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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/757,930	01/10/2001	Gamze Erten	ICA-9862	8079

7590

05/04/2004

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EXAMINER

NGUYEN, LE V

ART UNIT	PAPER NUMBER
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2174

DATE MAILED: 05/04/2004

10

Please find below and/or attached an Office communication concerning this application or proceeding.

1

Advisory Action

Application No.

09/757,930

Applicant(s)

ERTEN ET AL.

Examiner

Le Nguyen

Art Unit

2174

--The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

THE REPLY FILED 07 April 2004 FAILS TO PLACE THIS APPLICATION IN CONDITION FOR ALLOWANCE. Therefore, further action by the applicant is required to avoid abandonment of this application. A proper reply to a final rejection under 37 CFR 1.113 may only be either: (1) a timely filed amendment which places the application in condition for allowance; (2) a timely filed Notice of Appeal (with appeal fee); or (3) a timely filed Request for Continued Examination (RCE) in compliance with 37 CFR 1.114.

PERIOD FOR REPLY [check either a) or b)]

- a) ☒ The period for reply expires 3 months from the mailing date of the final rejection.
b) ☐ The period for reply expires on: (1) the mailing date of this Advisory Action, or (2) the date set forth in the final rejection, whichever is later. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of the final rejection.
ONLY CHECK THIS BOX WHEN THE FIRST REPLY WAS FILED WITHIN TWO MONTHS OF THE FINAL REJECTION. See MPEP 706.07(f).

Extensions of time may be obtained under 37 CFR 1.136(a). The date on which the petition under 37 CFR 1.136(a) and the appropriate extension fee have been filed is the date for purposes of determining the period of extension and the corresponding amount of the fee. The appropriate extension fee under 37 CFR 1.17(a) is calculated from: (1) the expiration date of the shortened statutory period for reply originally set in the final Office action; or (2) as set forth in (b) above, if checked. Any reply received by the Office later than three months after the mailing date of the final rejection, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

1. ☐ A Notice of Appeal was filed on _____. Appellant's Brief must be filed within the period set forth in 37 CFR 1.192(a), or any extension thereof (37 CFR 1.191(d)), to avoid dismissal of the appeal.
2. ☒ The proposed amendment(s) will not be entered because:
(a) ☒ they raise new issues that would require further consideration and/or search (see NOTE below);
(b) ☐ they raise the issue of new matter (see Note below);
(c) ☐ they are not deemed to place the application in better form for appeal by materially reducing or simplifying the issues for appeal; and/or
(d) ☐ they present additional claims without canceling a corresponding number of finally rejected claims.

NOTE: _____

3. ☐ Applicant's reply has overcome the following rejection(s): _____.
4. ☐ Newly proposed or amended claim(s) _____ would be allowable if submitted in a separate, timely filed amendment canceling the non-allowable claim(s).
5. ☐ The a) ☐ affidavit, b) ☐ exhibit, or c) ☐ request for reconsideration has been considered but does NOT place the application in condition for allowance because: _____.
6. ☐ The affidavit or exhibit will NOT be considered because it is not directed SOLELY to issues which were newly raised by the Examiner in the final rejection.
7. ☒ For purposes of Appeal, the proposed amendment(s) a) ☒ will not be entered or b) ☐ will be entered and an explanation of how the new or amended claims would be rejected is provided below or appended.

The status of the claim(s) is (or will be) as follows:

Claim(s) allowed: _____

Claim(s) objected to: _____

Claim(s) rejected: 1-28.

Claim(s) withdrawn from consideration: _____

8. ☐ The drawing correction filed on _____ is a) ☐ approved or b) ☐ disapproved by the Examiner.
9. ☐ Note the attached Information Disclosure Statement(s) (PTO-1449) Paper No(s). _____.
10. ☐ Other: _____

Kristine Kincaid
KRISTINE KINCAID
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2100

Continuation of 2. NOTE: The new issues being:

- a) a system comprised of a pointing object; a camera that has in its field of view at least one of the following: (i) the pointing object only, or (ii) the display and the pointing object, or (iii) the display and the reflection or effect that the pointing object can produce on the display; a method for detecting the position of the pointing object or its reflection or effect on the display in the image registered by the camera, and, a method for establishing the mapping between the position of the pointing object or its reflection or effect on the display in the image registered by the camera;
- b) a method comprising the steps of: defining at least one characteristic of the pointing object or its reflection or effect on the display that (i) is registered in the image captured by the camera and (ii) distinguishes the pointing object from other objects registered in the image from the camera; analyzing the image from the camera to locate the characteristic or characteristics of the pointing object its reflection or effect on the display pointing object; determining the most likely position of the pointing object or its reflection or effect on the display in the image from the camera based on at least one of the following: (i) the last known position of the pointing object or its reflection or effect on the display in the image, the position or positions at which the at least one distinguishing characteristic of the pointing object, or its reflection or effect on the display or the set of the picture elements in the image that comprise the rendition of the pointing object, or its reflection or effect on the display; and
- c) a method comprising the steps of: defining the boundaries of the positions that the pointing object can assume in addressing points or regions on the display and defining, within the said boundaries, a continuous pointing object surface; defining the boundaries of the display and defining within the boundaries of the display, a continuous pointing object surface; segmenting the display surface into at least two regions; segmenting the pointing object surface into at least two regions; warping the geometry of the surface for the pointing object so that at least one region of the pointing object surface overlaps with at least one region of the display surface; and establishing a one-to-one or many to one correspondence between overlapping the regions of the pointing object surface and the display surface, respectively.